

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/07953

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> G02B13/00, G02B3/00, G02B3/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G02B13/00, G02B3/00, G02B3/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2001
Kokai Jitsuyo Shinan Koho	1971-2001	Jitsuyo Shinan Toroku Koho	1996-2001

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP, 58-168026, A (Agency of Industrial Science and Technology), 04 October, 1983 (04.10.83), Full text; all drawings (Family: none)	1-16
Y	JP, 57-181516, A (Agency of Industrial Science and Technology), 09 November, 1982 (09.11.82), Full text; all drawings (Family: none)	1-16
Y	US, 5004328, A (Canon Kabushiki Kaisha), 02 April, 1991 (02.04.91), Full text; all drawings & JP, 63-96618, A Full text; all drawings & JP, 63-81413, A Full text; all drawings	1-16
Y	JP, 9-96760, A (Mitsui Petrochemical Ind. Ltd.), 08 April, 1997 (08.04.97), Full text; all drawings (Family: none)	1-16

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 ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search  
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13 February, 2001 (13.02.01)Name and mailing address of the ISA/  
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP, 4-284401, A (Fujitsu Limited), 09 October, 1992 (09.10.92), Full text; all drawings (Family: none)	1-16

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Y	JP, 57-181516, A (Agency of Industrial Science and Technology), 09 November, 1982 (09.11.82), Full text; all drawings (Family: none)	1-6
Y	JP, 6-281854, A (ASAHI OPTICAL Co., Ltd.), 07 October, 1994 (07.10.94), Full text; all drawings (Family: none)	1-6
Y	US, 5004328, A (Canon Kabushiki Kaisha), 02 April, 1991 (02.04.91), Full text; all drawings & JP, 63-81413, A Full text; all drawings & JP, 63-96618, A Full text; all drawings	1-6



Further documents are listed in the continuation of Box C.



See patent family annex.

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A	US, 4986939, A (Schott Glaswerke), 22 January, 1991 (22.01.91), Full text; all drawings & JP, 63-25234, A Full text; all drawings & DE, 3617363, A	1-6
Y	EP, 317153, A1 (British Telecommunications public limited company), 24 May, 1989 (24.05.89), Full text; all drawings & JP, 2-502584, A Full text; all drawings & WO, 89/04979, A & AU, 8827257, A	1-6
Y	JP, 4-284401, A (Fujitsu Limited), 09 October, 1992 (09.10.92), Full text; all drawings (Family: none)	1-6
Y	JP, 9-96760, A (Mitsui Petrochemical Ind. Ltd.), 08 April, 1997 (08.04.97), Full text; all drawings (Family: none)	1-6

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	& JP, 63-96618, A Full text; all drawings	
A	JP, 9-184997, A (Canon Inc.), 15 July, 1997 (15.07.97), Full text; all drawings (Family: none)	1-11
Y	JP, 9-96760, A (Mitsui Petrochemical Ind. Ltd.), 08 April, 1997 (08.04.97), Full text; all drawings (Family: none)	1-11
Y	JP, 4-284401, A (Fujitsu Limited), 09 October, 1992 (09.10.92), Full text; all drawings (Family: none)	1-11